

Standards Actions— October 2001

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Standards Actions



DOE Technical Standards Program Document Status

09-28-2001

Activity Summary

In Conversion – 4

In Preparation – 40

Out for Comment – 16

Published this Month – 0



Results of FY 2001 5-Year Sunset Review

Revisions in Progress – 7

Reaffirmations in
Progress – 26

Canceled Standards – 23

DOE Technical Standards Projects Initiated

If you have any questions or are interested in participating in the development of the standards listed below, please contact the representative listed. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on "DOE Technical Standards," then click on "Projects" in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards projects were recently initiated:

- *Writer's Guide for Technical Procedures*, revision to DOE-STD-1029-92, Project Number HFAC-0015, Margaret Sturdivant, EH-53; 301-903-0077, Fax 301-903-0557, **Maggie.Sturdivant@eh.doe.gov**.
- *Radiological Training for Tritium Facilities*, revision to DOE-HDBK-1105-96, Project Number TRNG-0020, Peter O'Connell, EH-52; 301-903-5641, Fax 301-903-7773, **Peter.O'Connell@eh.doe.gov**.

DOE Technical Standard Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on this draft. The full text of the document is available on the TSP Web Site. If you wish to comment on this document, please notify your TSM.

The following draft DOE Technical Standard was recently distributed for coordination.

- *Natural Phenomena Hazards Design and Evaluation Criteria for Department of Energy Facilities*, revision to DOE-STD-1020-94, Project Number NPHZ-0001, Dr. Harish Chander, U.S. Department of Energy, EH-53, 19901 Germantown Road, Germantown, Maryland 20874-1290; 301-903-6681, Fax 301-903-6172, **Harish.Chander@eh.doe.gov**. A 45-day coordination period was approved for this document; comments are due October 18, 2001.

DOE Technical Standards Recently Canceled

The following DOE Technical Standards were reevaluated under the 5-year Periodic Document Review (Sunset Review) provision of the Technical Standards Program Procedures (TSPPs). The paragraph preceding each group of standards explains the reason for the cancellation.

The information contained in the documents below is now available in DOE G 433.1-1, *Nuclear Facility Maintenance Management Program Guide*, and DOE O 433.1, *Maintenance Management Program for DOE Nuclear Facilities*, and a need for these documents no longer exists. If you have any questions or comments about this action, please contact Charles Ramsey, EH-53, 301-903-5999; Fax 301-903-6172; **Chuck.Ramsey@eh.doe.gov**.

- DOE-STD-1050-93, *Guideline to Good Practices for Planning, Schedule, and Coordination of Maintenance at DOE Nuclear Facilities*, March 1993.

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- DOE-STD-1051-93, *Guideline to Good Practices for Maintenance Organization and Administration at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1052-93, *Guideline to Good Practices for Control of Maintenance Activities at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1053-93, *Guideline to Good Practices for Control of Maintenance Activities at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1054-93, *Guideline to Good Practices for Control and Calibration of Measuring and Test Equipment (M&TE) at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1055-93, *Guideline to Good Practices for Maintenance Management Involvement at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1064-94, *Guideline to Good Practices for Seasonal Facility Preservation at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1065-94, *Guideline to Good Practices for Post-maintenance Testing at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1067-94, *Guideline to Good Practices for Maintenance Facilities, Equipment, and Tools at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1068-94, *Guideline to Good Practices for Maintenance History at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1069-94, *Guideline to Good Practices for Maintenance Tools and Equipment Control at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1071-94, *Guideline to Good Practices for Material Receipt, Inspection, Handling, Storage, Retrieval, and Issuance at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1072-94, *Guideline to Good Practices for Facility Condition Inspections at DOE Nuclear Facilities*, June 1994.

There is no longer a need for the documents listed below. If you have any questions or comments about this action, please contact John Fredlund, DP-31, 301-903-3059, work@fredlund.net.

- DOE-SPEC-3018-96, *Flooded-Type Lead-Acid Storage Batteries*, August 1996.
- DOE-SPEC-3019-96, *Valve-Regulated Type Lead-Acid Storage Batteries*, August 1996.

No update action has been initiated for the standards listed below, or the standards are no longer needed; as

a result, the standards were canceled. If you have any questions or comments about this action, please contact the Technical Standards Manager of the responsible Preparing Activity.

Preparing Activity—EH; George Detsis, 301-903-1488, George.Detsis@eh.doe.gov

- DOE-HDBK-7502-95, *Implementing U.S. Department of Energy Lessons Learned Programs, Volume I and II*, August 1995.
- DOE-STD-0100T-93, *Licensed Reactor Nuclear Safety Criteria Applicable to DOE Reactors*, November 1993.
- DOE-STD-0101-92, *Compilation of Nuclear Safety Criteria for Potential Application to DOE Non-Reactor Nuclear Facilities*, March 1992.
- DOE-STD-1024-92, *Guidelines for Use of Probabilistic Seismic Hazard Curves at Department of Energy Sites for Department of Energy Facilities*, including Change Notice 1 added January 1996, December 1992.
- DOE-STD-1075-94, *Standard for Developing and Issuing DOE Safety Guides and Implementation Guides*, July 1994.

Preparing Activity—EM; John J. Serocki, 301-903-7999, John.Serocki@em.doe.gov

- DOE-EM-STD-5502-94, *Hazard Baseline Documentation*, August 1994.
- DOE-EM-STD-5503-94, *EM Health and Safety Plan Guidelines*, December 1994.
- DOE-EM-STD-5504-94, *Guidance for Evaluation of Operational Emergency Plans*, March 1995.
- DOE-EM-STD-5505-96, *Operations Assessments*, May 1996.

DOE Technical Standards Projects Discontinued

The following DOE Technical Standards projects were recently discontinued because the information is now covered in DOE G 433.1-1, *Nuclear Facility Maintenance Management Program Guide*, and DOE O 433.1, *Maintenance Management Program for DOE Nuclear Facilities*. If you have any questions on this action, please contact Charles Ramsey, EH-53, 301-903-5999; Fax 301-903-6172; Chuck.Ramsey@eh.doe.gov.

- *Guideline to Good Practices for Planning, Scheduling, and Coordination of Maintenance at DOE Nuclear Fa-*

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ilities (supersedes DOE-STD-1050-93), Project Number MNTY-0019.

- *Guideline to Good Practices for Maintenance Organization and Administration at DOE Nuclear Facilities* (supersedes DOE-STD-1051-93), Project Number MNTY-0020.
- *Guideline to Good Practices for Types of Maintenance Activities at DOE Nuclear Facilities* (supersedes DOE-STD-1052-93), Project Number MNTY-0021.
- *Guideline to Good Practices for Control of Maintenance Activities at DOE Nuclear Facilities* (supersedes DOE-STD-1053-93), Project Number MNTY-0022.
- *Guideline to Good Practices for Control and Calibration of Measuring and Testing Equipment (M&TE) at DOE Nuclear Facilities* (supersedes DOE-STD-1054-93), Project Number MNTY-0023.
- *Guideline to Good Practices for Maintenance Management Involvement at DOE Nuclear Facilities* (supersedes DOE-STD-1055-93), Project Number MNTY-0024.

DOE Technical Standards Recently Published

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@iht.com, <http://global.iht.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ANS 5.1-1993, *Light Water Reactors, Decay Heat Power in* (reaffirmation of ANSI/ANS 5.1-1993) – November 20, 2001.
- ASME B73.3M, *Specification for Sealless Horizontal End Suction Centrifugal Pumps for Chemical Pumps* (revision of ANSI/ASME B73.3M-1997) – November 20, 2001.
- ASME BPVC Revision: 2001 Edition, *ASME Boiler and Pressure Vessel Code* (revision of ANSI/ASME BPVC Revision: 2001 Edition) – October 22, 2001.
- ASME CSD-1, *Controls and Safety Devices for Automatically Fired Boilers* (revision of ANSI/ASME CSD-1-1998) – November 6, 2001.
- ASME NOG-1-2001, *Rules for Construction of Cranes Monorails and Hoists* (revision of ANSI/ASME NOG-1-1998) – November 20, 2001.
- ASTM D5580, *Test Method for Determination of Benzene, Toluene, Ethylbenzene* (revision of ANSI/ASTM D5580-00) – November 20, 2001.
- ASTM D5755, *Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Concentrations* (revision of ANSI/ASTM D5755-95) – November 20, 2001.

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- ASTM E800, *Guide for Measurement of Gases Present or Generated During Fires* (revision of ANSI/ASTM E800-95) – November 20, 2001.
 - ASTM E1728, *Practice for Field Collection of Settled Dust Samples Using Wipe Sampling Methods for Lead Determination by Atomic Spectrometry Techniques* (revision of ANSI/ASTM E1728-99) – November 20, 2001.
 - ASTM E1792, *Specification for Wipe Sampling Materials for Lead in Surface Dust* (revision of ANSI/ASTM E1792-96) – November 20, 2001.
 - AWS D1.5, *Bridge Welding Code* (revision and redesignation of ANSI/AASHTO/AWS D1.5-96) – November 20, 2001.
 - N42.22-1995, *Traceability of Radioactive Sources to the National Institute of Standards and Technology (NIST) and Associated Instrument Quality Control* (reaffirmation of ANSI N42.22-1995) – November 6, 2001.
 - NECA 305, *Fire Alarm System Job Practices* (new standard) – October 22, 2001.
 - NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems* (revision of ANSI/NFPA 25-1998) – November 6, 2001.
 - NFPA 204, *Guide for Smoke and Heat Venting* (revision of ANSI/NFPA 204-1998) – November 6, 2001.
 - NFPA 471, *Recommended Practice for Responding to Hazardous Materials Incidents* (revision of ANSI/NFPA 471-1997) – November 6, 2001.
 - NFPA 472, *Standard for Professional Competence of Responders to Hazardous Materials Incidents* (revision of ANSI/NFPA 472-1997) – November 6, 2001.
 - NFPA 473, *Standard for Competencies for EMS Personnel Responding to Hazardous Materials Incidents* (revision of ANSI/NFPA 473-1997) – November 6, 2001.
 - NFPA 1041, *Standard for Fire Service Instructor Professional Qualifications* (revision of ANSI/NFPA 1041-1996) – November 6, 2001.
 - NFPA 1404, *Standard for a Fire Department Self-Contained Breathing Apparatus Program* (revision of ANSI/NFPA 1404-1996) – November 6, 2001.
 - NFPA 1451, *Standard for a Fire Service Vehicle Operations Training Program* (revision of ANSI/NFPA 1451-1997) – November 6, 2001.
 - NFPA 1561, *Standard on Emergency Services Incident Management System* (revision of ANSI/NFPA 1561-2000) – November 6, 2001.
 - NFPA 1852, *Standard on Selection, Care, and Maintenance of Open-Circuit SCBA* (new standard) – November 6, 2001.
 - NSF 55, *Ultraviolet Microbiological Water Treatment Systems* (revision of ANSI/NSF 55-2000) – November 5, 2001.
 - NSF 60 (i19r1), *Drinking Water Treatment Chemicals-Health Effects* (revision of ANSI/NSF 60-2000) – October 22, 2001.
 - UL 20, *Standard for Safety for General-Use Snap Switches* (revision of ANSI/UL 20-1996) – November 6, 2001.
 - UL 299, *Standard for Safety for Dry Chemical Fire Extinguishers* (revision of ANSI/UL 299-2000) – October 22, 2001.
 - UL 507, *Standard for Safety for Electric Fans* (revision of ANSI/UL 507-2001) – November 5, 2001.
 - UL 711-1999, *Standard for Safety for Rating and Testing of Fire Extinguishers* (revision of ANSI/UL 711-1999) – October 22, 2001.
 - UL 817, *Cord Sets and Power-Supply Cords* (revision of ANSI/UL 817-1995) – November 20, 2001.
 - Z21.13a, *Gas-Fired Low Pressure Steam and Hot Water Boilers* (same as CSA 4.9a) (supplement to ANSI Z21.13) – November 20, 2001.
- The following American National Standards have been approved for publication** (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):
- ANSI A1264.2-2001, *Provision of Slip Resistance on Walking/Working Surfaces* (new standard) – August 2, 2001.
 - ANSI N13.49-2001, *Performance and Documentation of Radiological Surveys* (new standard) – August 6, 2001.
 - ANSI/ANS 58.6-1996 (R2001), *Auxiliary Criteria for Remote Shutdown for Light Water Reactors* (reaffirmation of ANSI/ANS 58.6-1996) – August 31, 2001.

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- ANSI/ASTM D1356-01, *Terminology Relating to Sampling and Analysis of Atmospheres* (revision of ANSI/ASTM D1356) – August 23, 2001.
 - ANSI/ASTM D3267-91 (R01), *Test Methods for Separation and Collection of Particulate and Water-Soluble Gaseous Fluorides in the Atmosphere (Filter and Impinger Method)* (reaffirmation of ANSI/ASTM D3267) – August 23, 2001.
 - ANSI/ASTM D3268-91 (R01), *Test Methods for Separation and Collection of Particulate and Gaseous Fluorides in the Atmosphere (Sodium Bicarbonate-Coated Glass Tube and Particulate Filter Method)* (reaffirmation of ANSI/ASTM D3268) – August 23, 2001.
 - ANSI/ASTM D4600-95 (R01), *Test Method for Determination of Benzene-Soluble Particulate Matter in Workplace Atmospheres* (reaffirmation of ANSI/ASTM D4600) – August 23, 2001.
 - ANSI/ASTM D6245-01, *Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation* (new standard) – August 23, 2001.
 - ANSI/ASTM D6271-98, *Test Method for Estimating Contribution of Environmental Tobacco Smoke to Respirable Suspended Particles Based on Solanesol* (new standard) – August 23, 2001.
 - ANSI/ASTM E1370-01, *Guide for Air Sampling Strategies for Worker and Workplace Protection* (new standard) – August 23, 2001.
 - ANSI/ASTM F147-01, *Test Method for Air Cleaning Performance of a High-Efficiency Particulate Air-Filter System* (new standard) – August 23, 2001.
 - ANSI/ASME B30.18a-2001, *Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist)* (supplement to ANSI/ASME B30.18-1998) – August 21, 2001.
 - ANSI/AWS D1.1/D1.1M-2002, *Structural Welding Code—Steel* (revision of ANSI/AWS D1.1-2000) – August 31, 2001.
 - ANSI/CSA NGV3.1/CGA 12.3-1995 (R2001), *Fuel System Components for Compressed Natural Gas Powered Vehicles* (reaffirmation of ANSI/AGA NGV3.1/CGA 12.3-1995) – August 15, 2001.
 - ANSI/NSF/ISO 14020-2001, *Environmental Labels and Declarations—General Principles* (new standard) – August 3, 2001.
 - ANSI/NSF/ISO 14021-2001, *Environmental Labels and Declarations—Self-Declared Environmental Claims (Type II Environmental Labelling)* (new standard) – August 3, 2001.
 - ANSI/NSF/ISO 14024-2001, *Environmental Labels and Declarations—Type I Environmental Labelling—Principles and Procedures* (new standard) – August 3, 2001.
- The following international standards are currently in coordination** (comment due dates follow each entry):
- prEN 943-2, *Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles—Part 2: Performance requirements for "gas-tight" (Type 1) chemical protective suits for emergency teams (ET)* – (for information).
 - prEN 12236, *Ventilation for buildings – Ductwork – Hangers and supports – Requirements for strength* – (for information).
 - prEN 13182, *Ventilation for buildings – Instrumentation requirements for air velocity measurements in ventilated spaces* – (for information).
 - prEN 13622, *Gas welding equipment—Terminology – Terms used for gas welding equipment* – (for information).
 - prEN ISO 6942, *Protective clothing—Protection against heat and fire—Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat* (ISO/FDIS 6942: 2001) – (for information).
- The following newly published international standards are available:**
- IEC 60695-4 Ed. 2.2 b:2001, *Fire hazard testing—Part 4: Terminology concerning fire tests*.
 - ISO 13856-1:2001, *Safety of machinery—Pressure-sensitive protective devices—Part 1: General principles for design and testing of pressure-sensitive mats and pressure-sensitive floors*.
 - ISO 15202-2:2001, *Workplace air—Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry—Part 2: Sample preparation*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited stan-

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dards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Underwriters Laboratories, Inc.

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Fax: 919-547-6018

Contact: Carol Chudy, Carol.A.Chudy@us.ul.com

- UL 96, *Standard for Safety for Lightning Protection Components* (revision of ANSI/UL 96-1998).
- UL 61010A-1, *Standard for Safety for Electrical Equipment for Laboratory Use; Part 1: General Requirements* (new standard).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is October 10, 2001):

- E 176-01a, *Terminology of Fire Standards* (revised standard).
- E 537-98 (includes change to title), *Test Method for Assessing the Thermal Stability of Chemicals by Methods of Thermal Analysis* (revised standard).
- E 800-99, *Guide for Measurement of Gases Present or Generated During Fires* (revised standard).

- E 1776-96, *Guide for Development of Fire-Risk Assessment Standards* (revised standard).
- F 1127-88 (1996), *Guide for Containment by Emergency Response Personnel of Hazardous Material Spills* (revised standard).
- New Standard, *Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process for Forestland or Rural Property* (Ref. Z7456Z).
- New Standard, *Guide for In-Situ Burning of Spilled Oil: Fire-Resistant Boom* (Ref. Z8755Z).
- New Standard, *Guide for Evaluating the Performance of Corrosion Testing Laboratories* (Ref. Z8890Z).
- New Standard, *Practice for Thermal Qualification of Type B Packages for Radioactive Waste* (Ref. Z8997Z).

The following newly published standards are available from ASTM:

- E 176-01, *Terminology of Fire Standards*, (revised standard).
- E 662-01, *Test Method for Specific Optical Density of Smoke Generated by Solid Materials* (revised standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Amy Bush, ORNL, 865-576-2395, Fax 865-574-8481, bushar@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-576-2395, bushar@ornl.gov.